

Mathematical Reflections

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In this investigation, you developed methods for finding the volume and surface area of prisms and cylinders. These questions will help you summarize what you have learned.

Think about your answers to these questions. Discuss your ideas with other students and your teacher. Then write a summary of your findings in your notebook.

1. Describe how to find the volume of a rectangular prism.
2.
 - a. Describe how you can find the volume of a cylinder using its dimensions. Write a rule that represents your strategy.
 - b. Describe how you can find the surface area of a cylinder using its dimensions. Write a rule that represents your strategy.
3. Discuss the similarities and differences in the methods for finding the volume of a cylinder, a rectangular prism, and a non-rectangular prism.
4. Discuss the similarities and differences in the methods for finding the surface area of a cylinder, a rectangular prism, and a non-rectangular prism.